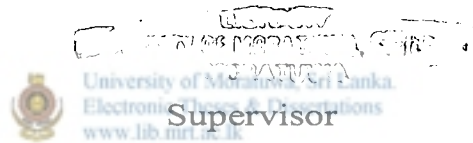


Prompt List for Risk Management in Sri Lankan Software Industry

By

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Abstract

Sound software project risk management is of crucial importance in any kind of a project. As an emerging industry in Sri Lanka, software companies should focus on the proper risk management techniques. Unfortunately a large number of the companies fail to achieve their project objectives.

To keep away from these kinds of situations, it is important for organizations / developers to identify the main risks behind those and take the most appropriate risk response technique to the situation. In this context, it is important to identify the most prominent risks prevalent in Sri Lankan software industry and devise possible risk management strategies to respond to them. Prompt list is very useful in this situation. Once prompt list is prepared, it can be used on any future project. Update it as the experience it so that it continually becomes more useful.

Identify major risks involved in the software projects, Categorize them according to their priority and occurred phase of the project or related area, prepare a Prompt List containing identified Risks and list Strategies that could be taken to respond to higher priority risks are the main objectives of this research.

Risk Identification is the most important part of the project risk management. Risk identification must be continued in structured and well organized way to minimize unidentified risks. This model plays vital role here to filter all the risks. It can be described as a methodical guidance to think about possible risks. It should categorize as many as risks under several areas or sub sections. That model is called as *Risk Identification Model*. Then above identified risks are categorized according to the stakeholders' priority for the risk which includes the status of High, Medium and Low. Finally Risk Response Strategies are listed for each risks identified during the research.

Declaration

I certify that this thesis does not incorporate without acknowledgement to the material previously submitted for a degree or diploma in any university to the best of my knowledge and I believe it does not contain any material previously submitted for a written or orally communicated by other person except where due reference was made on this.

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To the best of my knowledge the above particulars are correct

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List of Abbreviations

API	Application Program Interface
CASE	Computer Aided Software Engineering
CR	Change Request
HTML	Hypertext Markup Language
IEEE	Institute of Electrical and Electronic Engineers
IRM	Institute of Risk Management
ISO	International Standards Organization
IT	Information technology
MOT	Management of Technology
PM	Project Manages
PMI	Project management Institute
QA	Quality Assurance
RBS	Risk Breakdown Structure
RIM	Risk Identification Model
RRB	Risk Review Board
SEI	Software Engineering Institute
SQA	Software Quality Assurance
TBQ	Taxonomy-Based Questionnaire
UML	Unified Modeling Language
WBS	Work Breakdown Structure

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